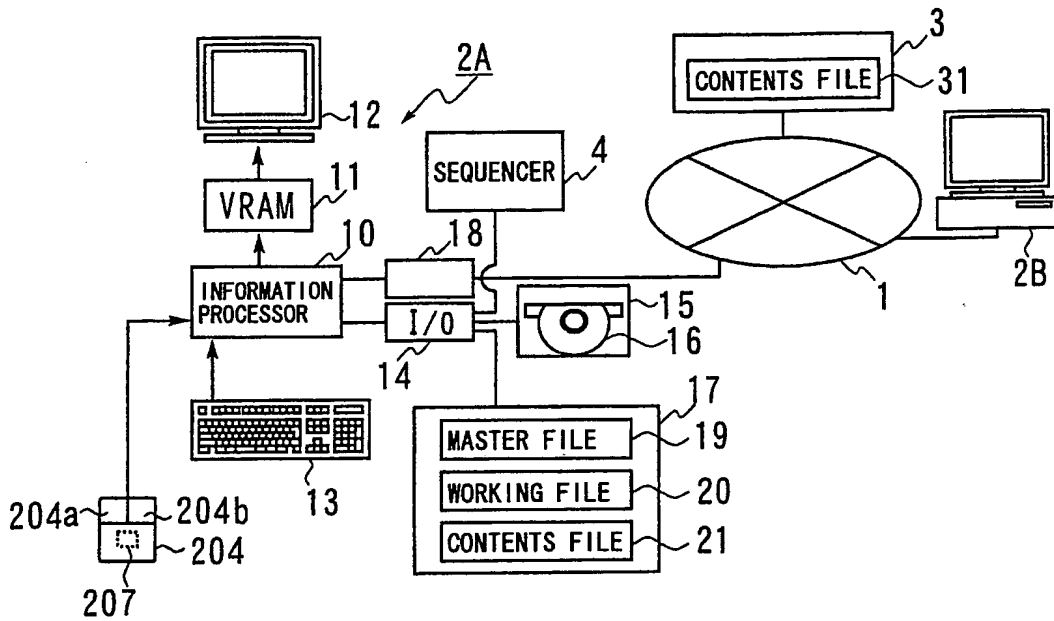
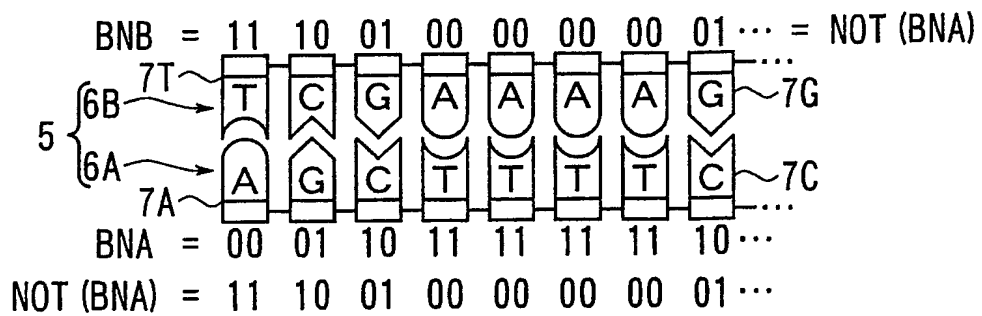


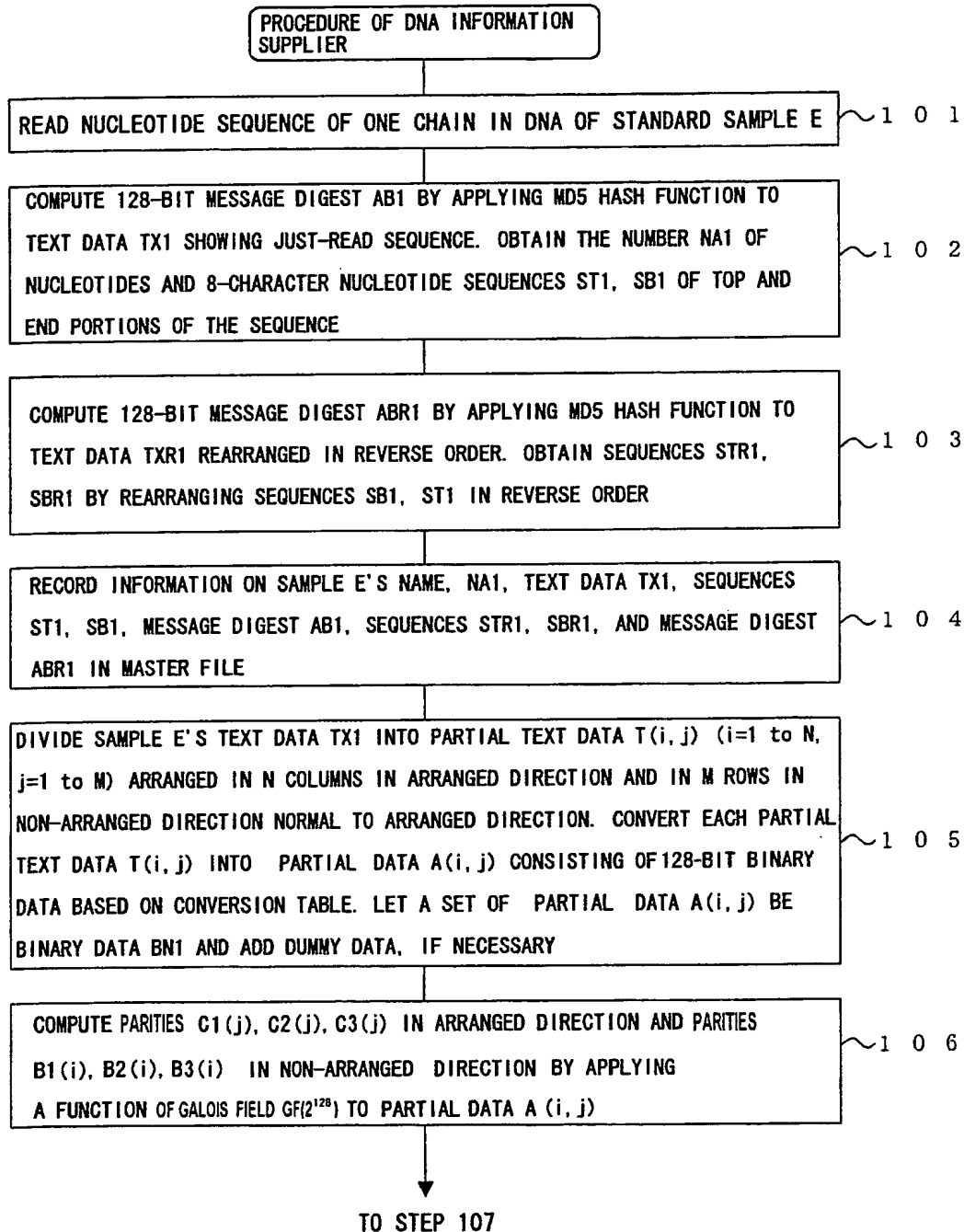
FIG. 1



F I G . 2



## F I G . 3



## FIG. 4

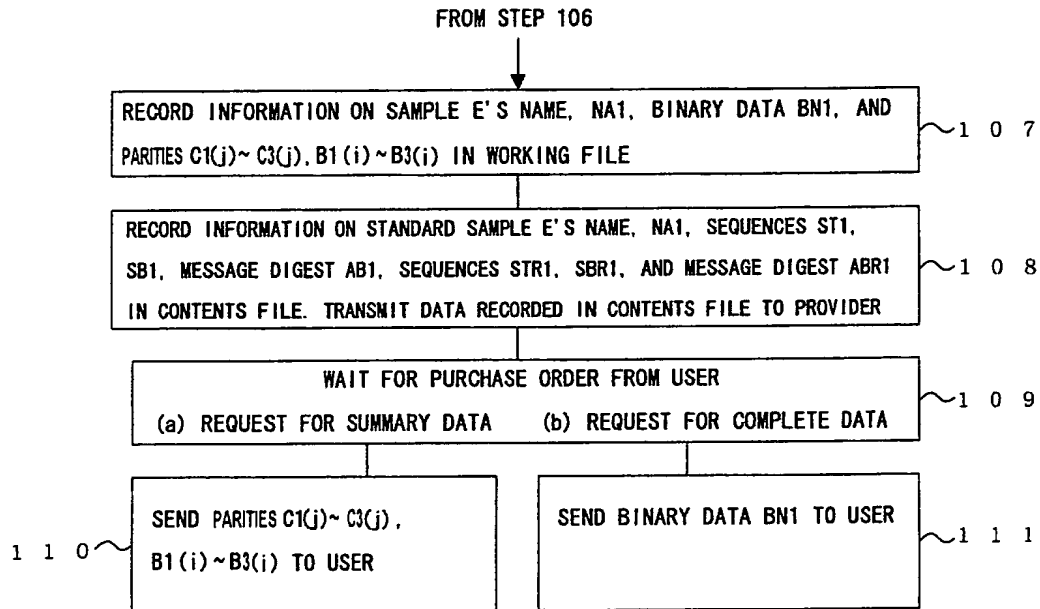
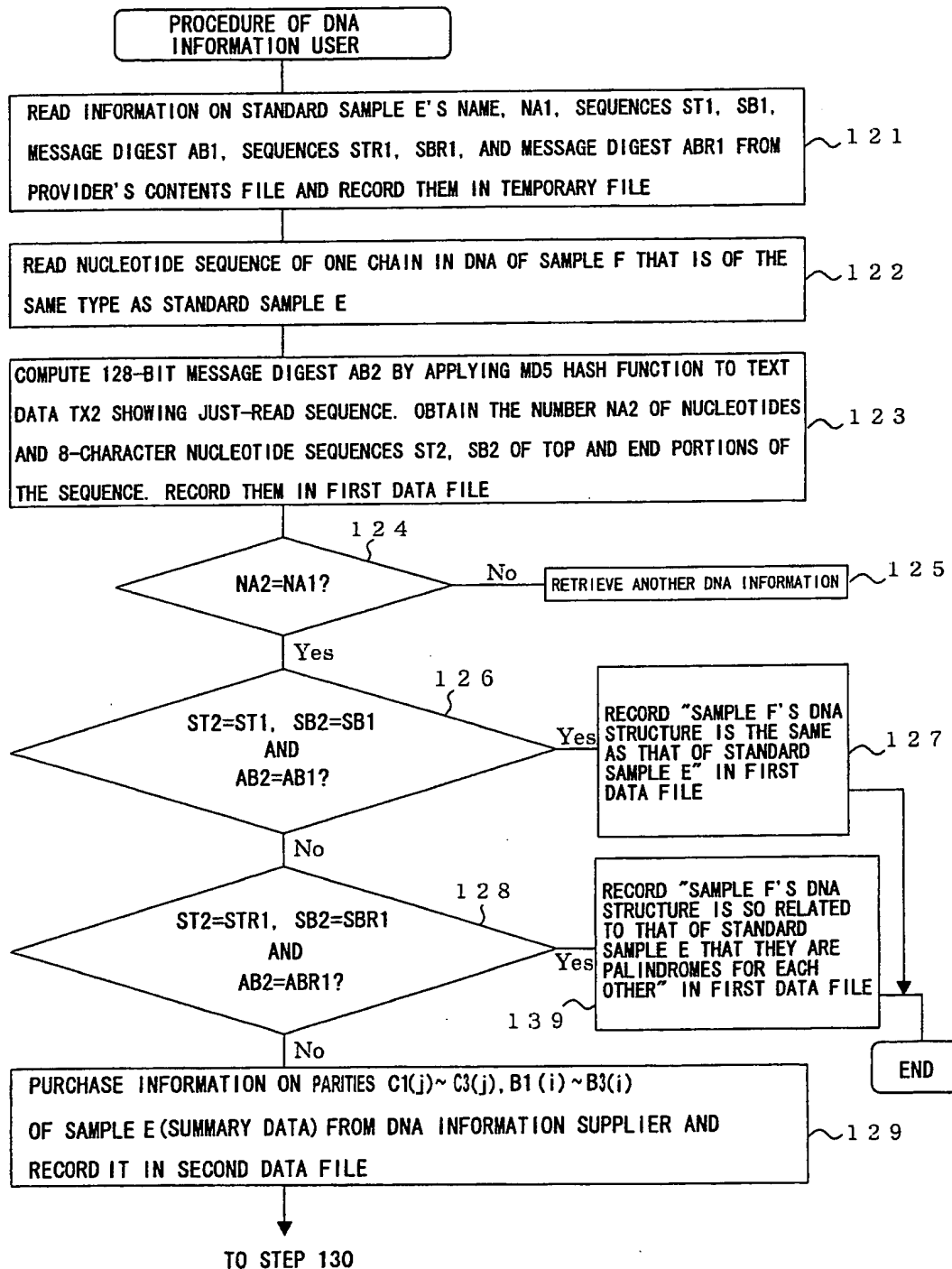
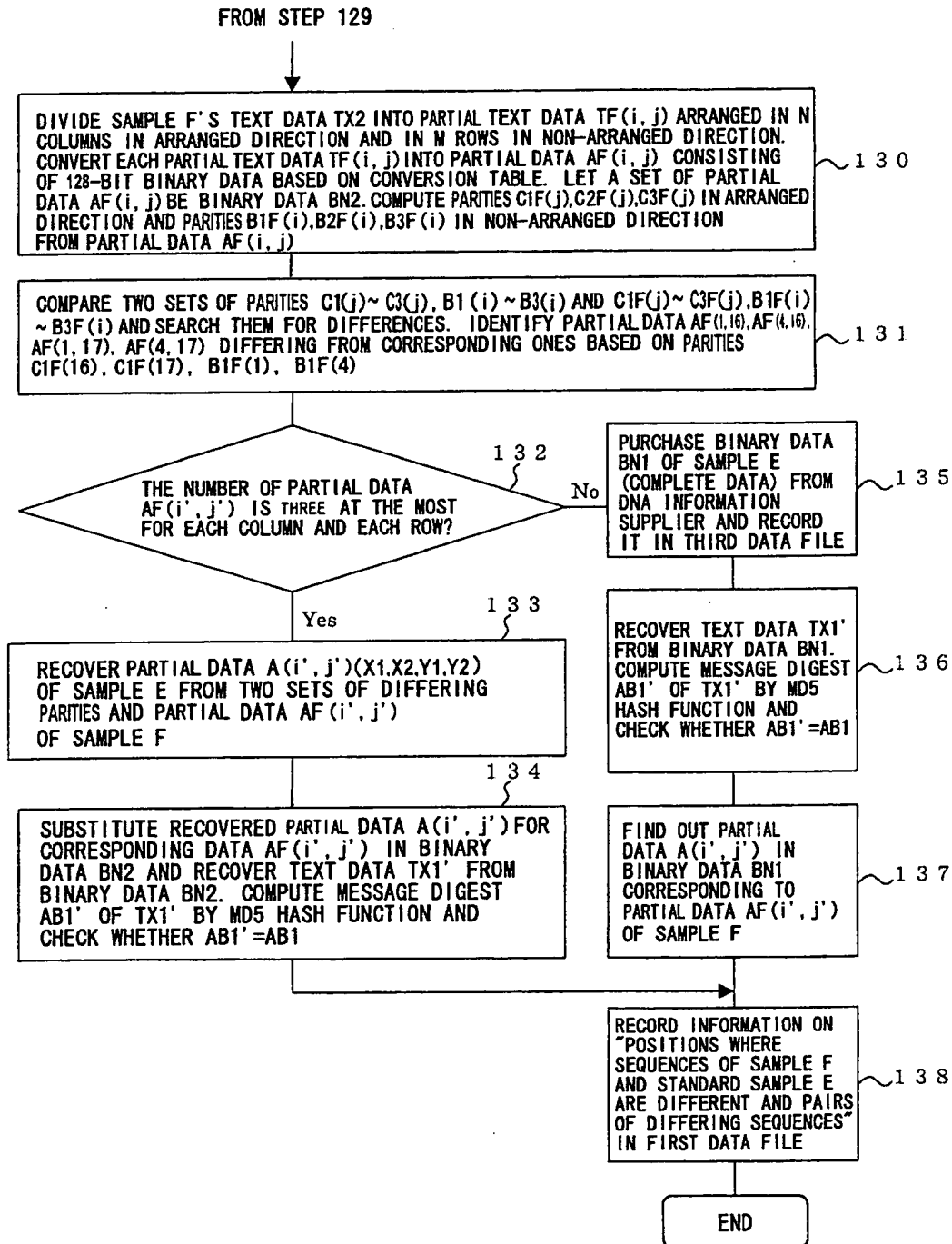


FIG. 5



## FIG. 6



STANDARD SAMPLE E

j	i	1	2	3	4	T (i, j)
1	1	AGCTTTTCATTCTGAC	TGCAACGGGCAATATG	TCTCTGTGTGGATTAA	AAAAAGAGTGTCTGAT	
2	2	AGCAGCTTCTGAACGTG	GTTACCTGCCGTGAGT	AAATATAAATTTTATT	GACTTAGGTCACTAAA	
3	3	TACTTTAACCAATATA	GGCATAGCCGACACAC	AGATAAAATTTACAGA	GTACACAACATCCATG	
4	4	AAACGCATTAGCACCA	CCATTACCCACACCAT	CACCATTTACCACAGGT	AACGGTGGGGGTGAC	
5	5	GCGTACAGGAACACA	GAAAAAGCCCCGACCC	TGACAGTGGGGCTTT	TTTTTTCGACCAAAGG	
6	6	TAAAGAGGTAACAACC	ATGCGAGTGTGAAGT	TCGGCGGTACATCAGT	GGCAATGCAGAACGT	
7	7	TTTCTGCGTGTGCGG	ATATTCTGGAAGCAA	TGCCAGGCAGGGGCG	GTGGCCACCGTCTCT	
8	8	CTGCCCCCGCCAAAT	CACCAACCACTGGTG	GCGATGATTGAAAAA	CCATTAGCGGCCAGGA	
9	9	TGCTTTACCCAATATC	AGCGATGCCGAACGTA	TTTTTGGCGAACCTTT	GACGGGACTCGCCGCC	
10	10	GCCAGCCGGGGTTCC	CGCTGGCGCAATTGAA	AACTTTCGTGATCAG	GAATTTGCCCAATAA	
11	11	AACATGCTCTGCATGG	CATTAGTTTGTGGGG	CAGTGCCCGGATAGCA	TCAACGCTGGCTGAT	
12	12	TTGCCGTGGCGAGAAA	ATGTCGATCGCCATTA	TGGCCGGCGTATTAGA	AGCGCGCGGTCAAC	
13	13	GTTACTGTTATCGATC	CGGTCGAAAACTGCT	GGCAGTGGGCGATTAC	CTCGAATCTACCGTCG	
14	14	ATATTGCTGAGTCCAC	CCGCCGATTTGCGGCA	AGCCGATTTCCGGCTG	ATCACATGGTGTGAT	
15	15	GGCAGGTTTCACCGCC	GGTAATGAAAAAGGCG	AACTGGTGGTCTTGG	ACGCAACGGTTCGAC	
16	16	TACTCTGCTGCGGTGC	TGGCTGCTGTTTACG	CGCCGATTGTTGGAG	ATTTGGACGGACGTTG	
17	17	ACGGGGTCTATACCTG	CGACCCGCGTCAGGTG	CCCGATGCGAGGTTGT	TGAAGTCGATGTCTA	
18	18	CCAGGAAGCGATGGAG	CTTTCCTACTTCGGCG	CTAAAGTTCTTCAACC	CCGCACCATTAACCCC	
19	19	ATCGCCAGTTCAGAG	TCCCTTGCCTGATTAA	AAATACCGGAAATCCT	CAAGCACCGGTACGC	
20	20	TCAATTGGTCCAGCCG	TGATGAAGACGAATTA	CCGGTCAAGGGCATTT	CCAATCTGAATAACAT	
21	21	GGCAATGTTACGCGTT	TCTGGTCCGGGGATGA	AAGGATGGTCCGCAT	GGCGGCGCGGCTCTT	
22	22	GCAGCGATGTCACGCG	CCCGTATTTCCGTGGT	GCTGATTACGCAATCA	TCTCCGAATACAGCA	
23	23	TCAGTTTCTGCGTTCC	ACAAAGCGACTGTGTG	CGAGCTGAACGGGCAA	TGCAGGAAGAGTTCTA	
24	24	CCTGGAAC TGAAAGAA	GGCTTACTGGAGCCGC	TGGCAGTGACGGAACG	GCTGGCCATTATCTCG	
25	25	GTGGTAGGTGATGGTA	TGCGCACCTTGGGTGG	GATCTCGGCGAAATTC	TTTGGCCCACTGGCCC	
26	26	GCGCCAATATCAACAT	TGTCGCCATTGCTCAG	GGATCTTCTGAACGCT	CAATCTCTGCTGTTG	
27	27	AAATAACGATGATGCG	ACCACTGGCGTGGCGG	TTACTCATCAGATGCT	GTTCAATACCGATCAG	
28	28	GTTATCGAAGTGTG	TGATTGGCGTGGGTGG	CGTTGGCGGTGGCTG	CTGGAGCAACTGAAGC	
29	29	GTCAGCAAGCTGGCT	GAAGAATAAACATATC	GACTTACGTGTCTGCG	GTGTTGCCCAACTCGAA	
30	30	GGCTCTGCTCACCAAT	GTACATGGCTTAAATC	TGGAAAACTGGCAGGA	AGAACTGGCGCAAGCC	
31	31	AAAGAGCCGTTTAATC	TCGGGCGCTTAAATCG	CTCGTGAAAGAAATAT	CATCTGCTGAACCCGG	
32	32	TCATTGTTGACTGCAC	TTCCAGCCAGGCGAGT	GCGGATCAATATGCCG	ACTTCTTGGCGGAAGG	

A (3, 1 1) = asc (T (3, 1 1))  
 = asc (CAGTGCCCGGATAGCA) = hex (414347415441474743434754474143)

# F I G . 8

STANDARD SAMPLE E

i	1	2	3	4	C1(i)	C2(j)	C3(i)
1	11151500000617060406170017150200	06060206021500151506000400151300	04060615000015060206170002001515	0204001702020611511021513000200	1113150200060606001711502131100	1704020211317110013060206021106	15001704110606110011000213111306
2	13130006170200151706040215021504	15171500000606130004000600171506	04020415130006130004000617020402	1502131300151710000041100110215	02131511170604041711000013040000	13150600021506061115060613130000	11170017130402000602021315060402
3	00061313021302151504150017130200	0411061717021300171151700131502	15131313131700150417040202040015	00020002170013171302060411130000	17021502171506020804151517001717	06020006021706001513061306060400	150604061302131317020806130215
4	13041317040204110006111513020017	040213131706130411001100020002	02061100150617061115041517040017	06040406111317020004000004040600	1304002040613060215020400130217	130204170613110215111715170213	040002150404000400040606060013
5	11150604021700150415040606060000	15110002151100000006150017041315	17110217171300151500171500060015	04110600040615041100171704111706	11113131306021700150200151517	0402041502001511313040002021304	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474
6	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
7	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
8	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
9	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
10	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
11	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
12	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
13	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
14	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
15	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
16	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
17	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
18	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
19	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
20	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
21	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
22	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
23	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
24	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
25	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
26	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
27	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
28	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
29	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
30	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304
31	0402041502001511313040002021304	0402131504041511	1100041317040000	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604
32	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789	ac32e1ddc4db0e9b	032628431bb00604	11113131306021700150200151517	0402041502001511313040002021304

B1(i)	11113131306021700150200151517	0411041715131513	0215040402150204
B2(i)	0402041502001511313040002021304	0402131504041511	1100041317040000
B3(i)	09552e59d8b8f1b159d9c9ced8917a1d7b9c721c1f2814474	8254675f5de5e039c	e2f60626e522789
	ce9dc74c4686b8f203959294b8c2898f1f1be1f1f19a71f23	ac32e1ddc4db0e9b	032628431bb00604
	86cdfa380f1e17b8c6659b84602915791	154f20aa364038ec	032628431bb00604

## SAMPLE F

TF (i, j)

4

3

2

1

i

j

SAMPLE F				TF (i, j)			
				3	4		
1	AGCTTTTTCATTCTGAC	TGCAACCGGGCAATATG	TCTCTGTGTGGATTAA	AAAAAGAGTGTCTGAT	AAAAAGAGTGTCTGAT		
2	AGCAGCTTCTGAACTG	GTATACCTGCCGTGAGT	AAATTAAAAATTTTATT	GACTTAGGTCACATAAA	GACTTAGGTCACATAAA		
3	TACTTTTAAACCAATATA	GGCATAGCGCACAGAC	AGATAAAAAATTACAGA	GTACACAACATCCATG	GTACACAACATCCATG		
4	AAACGCATTAGCACCA	CCATTACCAACACCAT	CACCATTACCACAGGT	AACGGTGGGGCTGAC	AACGGTGGGGCTGAC		
5	GGGTACAGGAACACACA	GAAAAAGCCCGCAC	TGACAGTGGGGCTTT	TTTTTTCGACCAAGG	TTTTTTCGACCAAGG		
6	TAACGAGGTAAACAAC	ATCGAGTGTGAAGT	TCGGCGGTACATCAGT	GGCAAAATGCAGAACGT	GGCAAAATGCAGAACGT		
7	TTTCTGCGTGTGCGG	ATATTCTGGAAGCAA	TGCCAGGCAGGGGCAG	GTGGCCACCGTCTCT	GTGGCCACCGTCTCT		
8	CTGCCCCCGCCAAAAT	CACCAACCACTGGTG	CGCATGATTGAAAAA	CCATTAGCGGCCAGGA	CCATTAGCGGCCAGGA		
9	TGCTTTACCCCAATATC	AGCGATGCCGAACGTA	TTTTTGCCGAACCTTT	GACGGGACTCGCCGCC	GACGGGACTCGCCGCC		
10	GCCCAGCCGGGGTTCC	CGCTGGCGCAATIGAA	AACTTTCGTCGATCAG	GAATTTGCCCAATAA	GAATTTGCCCAATAA		
11	AACATGTCCTGCATGG	CATTAGTTTGTGGGG	<u>CAGTCCCCGGATAGCA</u>	TCAACGCTGCGCTGAT	TCAACGCTGCGCTGAT		
12	TTGCCGTGGCGAGAAA	ATGTCGATCGCCATT	TGCCCGGGGTATTAGA	AGCGCGCGGTCAACAC	AGCGCGCGGTCAACAC		
13	GTACTGTTATCGATC	CGGTCGAAAACTGCT	GGCAGTGGGGCATAC	CTCGAATCTACCGTCG	CTCGAATCTACCGTCG		
14	ATATTGCTGAGTCCAC	CCGCCGTATTGGCGCA	AGCCGCATTCCGGCTG	ATCACATGGTGCTGAT	ATCACATGGTGCTGAT		
15	GGCAGGTTTCACCGCC	GGTAATGAAAAAGGCG	AACTGGTGGTGCTTGG	ACGCAACGGTTCGGAC	ACGCAACGGTTCGGAC		
16	TACTCTGCTGCGGTGC	TGGCTGCTGTGTTACG	CGCCGATTGTTGCCAG	ATTTGGACATTATGGC	ATTTGGACATTATGGC		
17	GGCCAACTTATACCTG	CGACCCCGGTCAGGTG	CCCGATGCGAGGTTGT	TGAAGTCGATGTCTTA	TGAAGTCGATGTCTTA		
18	CCAGGAAAGCGATGGAG	CTTTCTTACTTCGGCG	CTAAAGTTCTTCAACC	CCGCACCATTACCCCC	CCGCACCATTACCCCC		
19	ATCGCCAGTTCAGAGA	TCCCTTGCCTGATTAA	AAATACCGGAAATCCT	CAAGCACCAAGGTACGC	CAAGCACCAAGGTACGC		
20	TCAATTGGTGCCAGCCG	TGATGAAGACGAATTA	CCGGTCAAGGGCATTT	CCAACTCTGAATAACAT	CCAACTCTGAATAACAT		
21	GGCAATGTTACGCGTT	TCTGGTCCGGGGATGA	AAGGATGGTCGGCAT	GGCGGCGCGCGTCTTT	GGCGGCGCGCGTCTTT		
22	GCAGCGATGTCACGCG	CCCGTATTTCCGTGGT	GCTGATTACGCAATCA	TCCTCCGAATACAGCA	TCCTCCGAATACAGCA		
23	TCAGTTTCTGCGTTCC	ACAAAGCGACTGTGTG	CGAGCTGAACGGGCAA	TGCAGGAAGAGTTCTA	TGCAGGAAGAGTTCTA		
24	CTGGAACTGAAAGAA	GGCTTACTGGAGCCGC	TGGCAGTGACGGAAACG	GCTGGCCATTATCTCG	GCTGGCCATTATCTCG		
25	CTGGTAGGTGATGGTA	TGCGCACCTTGGGTGG	GATCTCGCGGAAATTC	TTTGGCCGCACTGGCCC	TTTGGCCGCACTGGCCC		
26	GCGCCAAATATCAACAT	TGTGCCCCATTGCTCAG	GGATCTTCTGAACGCT	CAATCTCTGCTGCTGT	CAATCTCTGCTGCTGT		
27	AAATAACGATGATGCG	ACCACTGGCGTGGCGG	TTACTCATCAGATGCT	GTTCAAATACCGATCAG	GTTCAAATACCGATCAG		
28	GTATCGAAGTGTG	TGATTGGCGTGGGTGG	CGTTGGCGGTGCGCTG	CTGGAGCAAACTGAAGC	CTGGAGCAAACTGAAGC		
29	GTCAGCAAAAGCTGGCT	GAAGAAATAACATATC	GACTTACGTGTCTGGG	GTGTTGCCAACTCGAA	GTGTTGCCAACTCGAA		
30	GGCTCTGCTCACCAAT	GTACATGGCTTAAATC	TGAAAAAATGGCAGGA	AGAAGTGGCGCAAGCC	AGAAGTGGCGCAAGCC		
31	AAAGAGCCGTTTAAATC	TCGGGCGCTTAAATCG	CCTCGTGAAGAATAT	CATCTGCTGAACCCGG	CATCTGCTGAACCCGG		
32	TCAITGTGACTGCAC	TTCCAGCCAGGCAGTG	GCGGATCAATAATGCCG	ACTTCTTGGCGGAAGG	ACTTCTTGGCGGAAGG		

A F (i, j) = asc (TF (i, j))



# FIG. 10

SAMPLE F

i	SAMPLE F				C1F (j)	C2F (i)	C3F (i)
	1	2	3	4			
1					11151500000617060406170017150200	eeebae0fde69f53cea81f58d019eeb3	2c54d2518734f909fb5cfc45345a310a
2					06060206021500151506000400151300	3081cc3ca299992ec3ca330f4e0f1	195d0609854fc84b8cc10e1a10d65390
3					04060615000015060206170002001515	7c99cd1d8309ed2c0c9f99ca70e4	773518b58c1159a08189540c50f3085
4					0204001702020611511021513000200	26dfe260d6fe0e1cdac32ddcd48c1	7e63cf48a38fa9b59ddc13d3f6a00820
5					11131502000606060007111502131100	28ae98c2d8c0c6be887fe6d79e27e3b	eddb502a78e8e82ff1d527457043207
6					1704020211317110013060206021106	9cadcc436ddee5847f64cedc84ebc	13fa0214bd4748d873c608e6a19f4ca
7					15001704110606110011000213111306	fedebaced169e2c5d5cfce6e3dce143bc	5087bafef034e68db3e0c0f7b061cb
8					13130006170200151706040215021504	51d6f0c0f6dae2ae8fad63362d6c1c3	34d59818d48bead7db8a66174aeb5e3
9					15171500000606130004000600171506	0eb7a49944fcd27ad2c8b8bb18e92bc	2991c9cda1809f2aa39a1c5dcd64ed
10					04020415130006130004000617020402	52ce7a7e0d2d2aca173a3c18c2c2ff	5a076c115266a7defbae0a0c462a1b87
11					150213130015171000041100110215	eacef4680d0ddcc44ebfed1b21cd69	283fe85987d2ecb336e0be1404368566
12					02131511170604041711000013040000	58feeb8e9cd3eeb8d8d1eed3dcedb8c	b63455d758a0bef12f4feabf6f1a04c
13					13150600021506061115060613130000	58cd3844dac1d459d17a81d7dcd65c7	0c9908828ab5653510275dbdd4a82de6
14					11170017130402000602021315060402	fa9cfa72d5fe46844d4cccd5d5086dc9	5559bf3a1cbb3482c0163ef1d3bd3d06
15					00061313021302151504150017130200	4ed2a286d67c3211f191f8d283dcd6c7	c26acfc9a72413f4f4dd3267d1f69e17
16	X1				0002150415170006171151700131502	4efef14018133aeb8e9a55cc7d6270fa	c38f103236420e200b5f8cb378f13368
17	X1				1513131313170015130020406000413	16438885f6c134cedc5ca34f8d2c6fe6f	b160c0c2f118146c0dfe19886a23bb66
18					00020002170013171302060411130000	5ad0ded6c5b21c6a9ea2c0cf0d6a0d3	88a8be9bcb00476b5784e8ded3d58a3
19					17021502171506020604151517001717	0cf2feb066e5c3d6c0d8ecf1aaacaddf7	2ba6f503433cc16e8ba76d6de0a1ddc
20					06020006021706001513061306060400	b2b0a0cac472d242e562d229ebd4daea	a3078608253a6a67884a21d2160baee
21					150604061302131317020606130215	a174dc676f886fdd5aac3e8e8ccfed1	b44832e73f09cbef1ddec0f918781dd
22					13041317040204110006111513020017	64daa2e400c26d8f13828ef47634d27f	8abace56982f3d724185d6433a18af27
23					04021313131706130411001100020002	464cc4376ccc69c2c5b1e1dd2c278	2716a8643f16621951a7ddc566681e17c
24					02061100150617061115041517040017	64866870d466f7f1c8cc4d0d86dca7	12bd4e8d38657b4d37d8e1d3f73dfac2
25					06040406111317020004000004040600	5c91a4f16ed68e8fbc6e64d99f3e27d51	81db839f9858b261efeaalccba1b487b
26					13040002040613060215020400130217	adf4e246f8d2432798c34d3a3e0dae9	8ba1ef35889f618174dcl8bel1a527abd
27					13020417061311021511171715170213	26c2ce21c0c5408296aee9cc16034a9	f62afa0d19b28da94b5a7558bb04c18d9
28					040002150404040004000406060013	4ab1fcdfe6da4d8dd0deaeb82bd5f9	c6dd616cbb3c827888bf1a2184c02dfb
29					11150604021700150415040606060000	41ceca4798cd298c4fefe33c16f1ef	4577e78774da6750e0f5861209a754f7
30					15110002151100000006150017041315	49ee4ceeeeee299faf65b5dddd6c893	a5b5e00276b5ebccbb9b01821d63b347
31					17110217171300151500171500060015	22eda2f6c9c1f34062caaa70dc3cc0ff	139c84d4957540d74afad6b88ba0828fd
32					04110600040615041100171704111706	6edecad2b9d2a40aed7682c96d781cea	01143a666cd9ac887987cce903828f629

B1F (i)	111131313130602170015020015151704104171531513	0806171700001102
B2F (i)	131502130604111713130400020213040402131504041511	1100041317040000
B3F (i)	b9552e59d8b8e8a859d9c9ced8917afd7b9c721cf214474	c3dd65557dd039c
	cd849e54cbecac8e825d7f1630ac64701e3c85c3787ecde	ef1606c2e5e224ed
	ce9dc74c5191be1403959294b8c2898f1f1be21ff19a71f23	5ab7a51c44db0e9b
	82c9fe3e0f1e17b81c659b8460291579154f20aa364036ecc	032628431a02303f

# FIG. 1

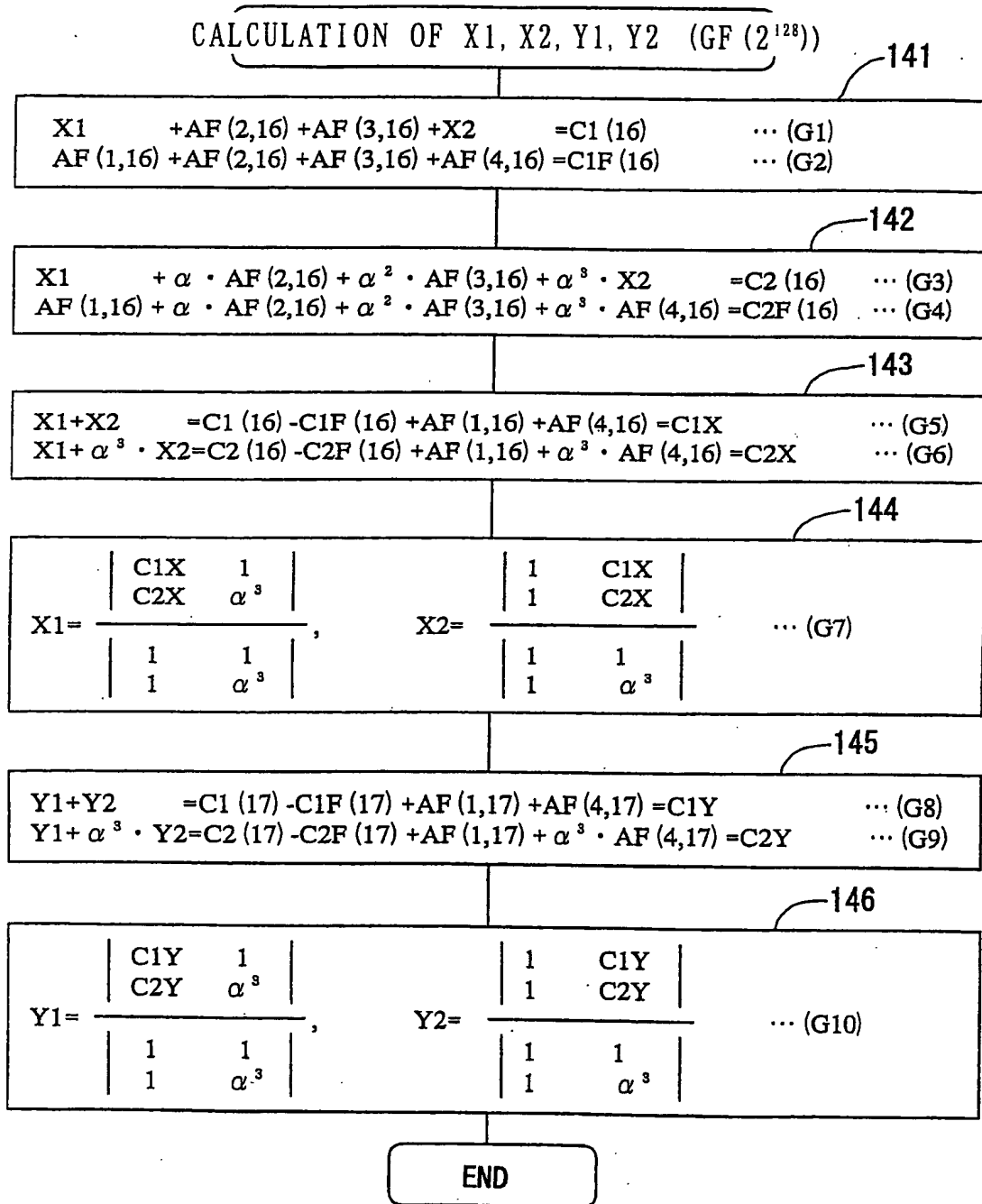
DIFFERENCES BETWEEN STANDARD SAMPLE E AND SAMPLE F

j	i	2	3	4	C1F (i)	C2F (i)	C3F (i)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
B1F (i)							
B2F (i)							
B3F (i)							

X1=hex (4347544747434754  
 4347544354434154)  
 → chr (X1) =TACTCTGCTGCGGTGC  
 =T (1, 16) =TF (1, 16)  
 X2=hex (4754544743414747  
 4341474754545441)  
 → chr (X2) =ATTGGACGGACGTTG  
 =T (4, 16)  
 Y1=hex (4754434341544154  
 4354474747474341)  
 → chr (Y1) =ACGGGCTATACCTG  
 =T (1, 17)  
 Y2=hex (4154434354475441  
 4743544741414754)  
 → chr (Y2) =TGAAGTCGATGCCTA  
 =T (4, 17) =TF (4, 17)

B1F (4)  
 B2F (4)  
 B3F (4)

## F I G . 1 2





## F I G . 1 4

		SAMPLE G				T G ( i , j )	
		i	1	2	3	4	
j							
1			MRVLKFGG	TSVANAER	FLRVADIL	ESNARQQQ	
2			VATVLSAP	AKITNHLV	AMIEKTIS	GQDALPNI	
3			SDAERIFA	ELLTGLAA	AQPGFPLA	QLKTFVDQ	
4			EFAQIKHV	LHGISLLG	QCPDSINA	ALICRGEK	
5			MSIAIMAG	VLEARGHN	VTVIDPVE	KLLAVGHY	
6			LESTVDIA	ESTRRIAA	SRIPADHM	VLMAGFAT	
7			GNEKGELV	VLGRNGSD	YSAAVLAA	CLRADCCE	
8			IWTDVDGV	YTC DPRQV	PDARLLKS	MSYQEAME	
9			LSYFGAKV	LHPRTITP	IAQFQIPC	LIKNTGNP	
10			QAPGTIG	ASRDEDEL	PVKGISNL	NNMAMFSV	
11			SGPGMKGM	VGMAARVF	<b>AAMSRARI</b>	SVVLITQS	
12			SSEYSISF	CVPQSDCV	RAERAMQE	EFYLELKE	
13			GLLEPLAV	TERLAIIS	VVGDMRT	LRGISAKF	
14			FAALARAN	INIVAIQA	GSSERSIS	VVVNNDDA	
15			TTGVRVTH	QMLFNTDQ	VIEVFVIG	VGGVGGAL	
16			LEQLKRQQ	SWLKNKHI	DLRVCGVA	NSKALLTN	
17			VHGLNLEN	WQEELAQA	KEPFNLGR	LIRLVKEY	
18			HLLNPVIV	DCTSSQAV	ADQYADFL	REGFHVVT	
19			PNKKANTS	SMDYYHQL	RYAAEKS	RKFLYDTN	
20			VGAGLPVI	ENLQNLN	AGDELMKF	SGILSGSL	
21			SYIFGKLD	EGMSFSEA	TTLAREMG	YTEPDPRD	
22			DLSGMDVA	RKLLILAR	ETGRELEL	ADIEIEPV	
23			LPAEFNAE	GDVAAFMA	NLSQLDDL	FAARVAKA	
24			RDEGKVL	YVGNIDED	GVCVRKIA	EVDGNDPL	
25			FKVKNGEN	ALAFYSHY	YQPLPLVL	RGYGAGND	
26			VTAAGVFA	DLLRTL	SW	KLGV0000	00000000

(0=hex (00))

A G ( 3 , 1 1 ) = asc ( T G ( 3 , 1 1 ) )  
 = asc ( AAMSRARI ) = hex ( 49524152534d4141 )

FIG. 15

